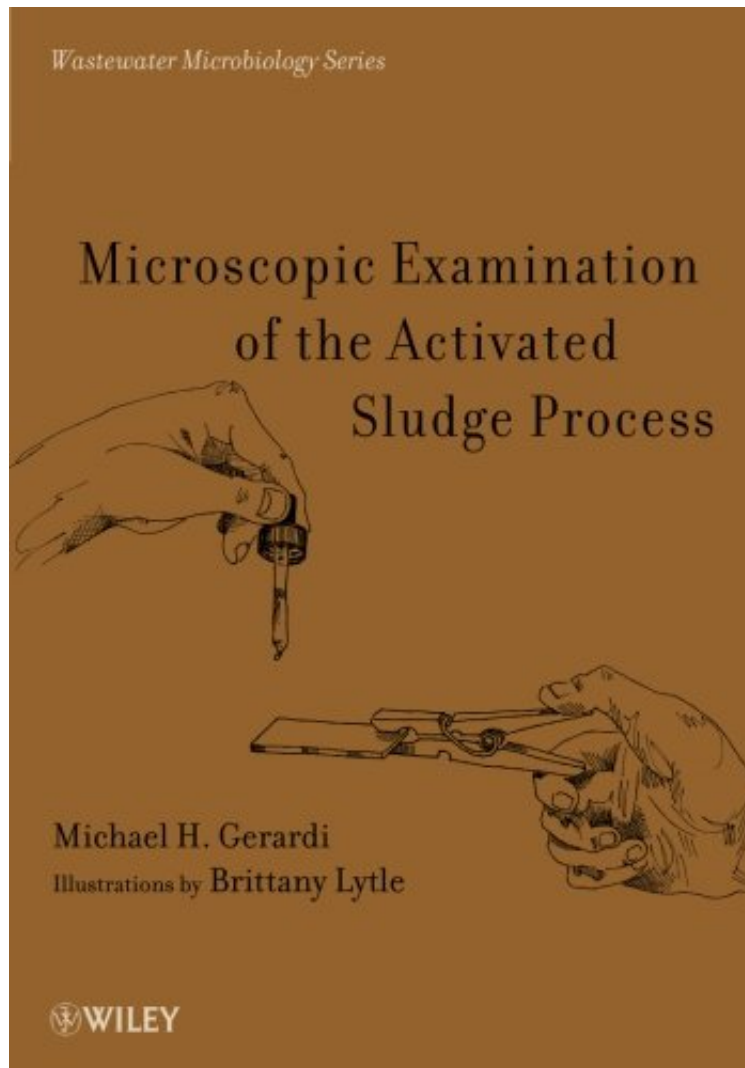


(Free and download) Microscopic Examination of the Activated Sludge Process

Microscopic Examination of the Activated Sludge Process

Michael H. Gerardi

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#382560 in Books Michael H Gerardi 2008-07-21 2008-07-07Original language:EnglishPDF # 1 10.00 x .76 x 7.10l, 1.00 #File Name: 0470050713208 pagesMicroscopic Examination of the Activated Sludge Process | File size: 40.Mb

Michael H. Gerardi : Microscopic Examination of the Activated Sludge Process before purchasing it in order to gage whether or not it would be worth my time, and all praised Microscopic Examination of the Activated Sludge Process:

0 of 0 people found the following review helpful. FabulousBy BarbaraI loved this book. It explains a lot and is easy to use for reference! I had been putting along trying to do microscopic examination to identify the bugs in our systems. This book made me realize that I was doing a couple of things the hard way and gave me great tips on how to properly prepare a slide. I hadn't used a Microscope in about 10 years so I was trying to remember what I did then and I did

some internet searches. There is not much out there about wastewater so I decided to try a book. This one tells you exactly how to do multiple wet mounts, smears and stains. There are pictures of the organisms you might see. They are black and white though but it works. It gets detailed enough that if you really wanted to you could know all the official names of organisms. Even though it can get detailed it is a great quick reference guide in the lab. I really enjoyed this book and it cleared up many questions I had. 0 of 0 people found the following review helpful. Very good book for examining activated sludge. By NATHAN Very good book for examining activated sludge. I wish it had color pictures though. The structure is a little difficult to navigate when using it a reference and trying to solve waste water problems. However, I have found very useful info in this book that I haven't found anywhere else. 2 of 2 people found the following review helpful. Disappointing, over priced, poor images. By STPUDI expected a lot more out of this book. Not many photos, just a lot of the same hand drawn diagrams over and over again and some pretty basic information. With digital images easy to come by these days there should be tons of different photos in a book like this. I would NOT recommend this as there are better books out there. For the price this one is a waste of money!

A practical, hands-on guide to using the microscope to analyze activated sludge in wastewater treatment The microscope provides the wastewater treatment plant operator with a special tool for process control and troubleshooting of the activated sludge process. The operator can "read" the organisms and use them as "bioindicators" to determine if operational conditions are acceptable or not acceptable. Written for plant operators and technicians and avoiding unnecessary technical jargon, *Microscopic Examination of the Activated Sludge Process* explores and explains: Microscopy, including microscopic measurements and techniques Directions for preparing and applying microbiological stains and immobilizing agents and techniques for preparing wet mounts and smears How to identify various types of organisms, including: floc particles and foam; protozoa; rotifers; worms and worm-like organisms; crustaceans; filamentous organisms; and algae and fungi The collection, evaluation, and presentation of observations This straightforward guide includes figures, tables, worksheets, photomicrographs, and black-and-white drawings of many living, microscopic components of the activated sludge process. It equips plant operators and technicians to monitor, regulate, and troubleshoot the treatment processes and also serves as a valuable resource for research professionals and sanitary engineers in wastewater treatment.

From the Back Cover A practical, hands-on guide to using the microscope to analyze activated sludge in wastewater treatment The microscope provides the wastewater treatment plant operator with a special tool for process control and troubleshooting of the activated sludge process. The operator can "read" the organisms and use them as "bioindicators" to determine if operational conditions are acceptable or not acceptable. Written for plant operators and technicians and avoiding unnecessary technical jargon, *Microscopic Examination of the Activated Sludge Process* explores and explains: Microscopy, including microscopic measurements and techniques Directions for preparing and applying microbiological stains and immobilizing agents and techniques for preparing wet mounts and smears How to identify various types of organisms, including: floc particles and foam; protozoa; rotifers; worms and worm-like organisms; crustaceans; filamentous organisms; and algae and fungi The collection, evaluation, and presentation of observations This straightforward guide includes figures, tables, worksheets, photomicrographs, and black-and-white drawings of many living, microscopic components of the activated sludge process. It equips plant operators and technicians to monitor, regulate, and troubleshoot the treatment processes and also serves as a valuable resource for research professionals and sanitary engineers in wastewater treatment. About the Author Michael H. Gerardi holds an MS in biology from James Madison University. In addition to the prior books in Wiley's *Wastewater Microbiology Series*, he has authored more than 100 technical publications and has provided wastewater microscopy and consulting services to numerous municipal and industrial wastewater treatment plants. He is currently responsible for the development and presentation of wastewater biology courses at The Pennsylvania State University. Mr. Gerardi can be reached at hemlockstables@uplink.net.